Docket No.

283125US0X PCT

# MAIL STOP PCT IAP4 Roc'd FCT/1 24 JAN 2008 T

# IN THE UNITED STREET PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

Haruo SUGIYAMA, et al.

SERIAL NO:

10/541,821

FILED:

July 11, 2005

FOR:

DIMERIZED PEPTIDE

GAU:

1632

ÉXAMINER:

#6

# INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

#### REFERENCES

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

#### RELATED CASES

- Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

#### CERTIFICATION

- Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- □ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

#### DEPOSIT ACCOUNT

Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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U.S. PCT Application Serial No.: 10/541,821 Docket No: <u>283125US0X PCT</u>

# STATEMENT OF RELEVANCY

|                                                         |                 |                        | have been cited in the Ir       |                    |  |  |  |  |  |
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|                                                         |                 |                        | e being submitted herewith o    | nly when not       |  |  |  |  |  |
| aut                                                     | omatically pr   | ovided by the Interna  | tional Searching Authority.     |                    |  |  |  |  |  |
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| 2)                                                      | References_     | have been              | cited in the corresponding      | Search Report      |  |  |  |  |  |
| A copy of these references is being submitted herewith. |                 |                        |                                 |                    |  |  |  |  |  |
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| 3)                                                      | References _    | AL-AZ are              | discussed in the specification  | n. A copy of these |  |  |  |  |  |
| references is being submitted here with.                |                 |                        |                                 |                    |  |  |  |  |  |
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| 4)                                                      | References _    | AE, AF, AI             | _ are additional prior art know | wn to Applicant. A |  |  |  |  |  |
| cop                                                     | by of these ref | ferences is being subr | nitted herewith.                |                    |  |  |  |  |  |



ket No.: 283125US0X PCT

Serial No.: 10/541,821

Inventor: Haruo SUGIYAMA, et al.

LIST OF RELATED CASES CITED BY APPLICANT UNDER 37 CFR 1.56

Filing Date: July 11, 2005

Group: 1632

# LIST OF RELATED CASES

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Examiner

Date Considered

<sup>\*</sup>Present Application; listed for information NFO/hah

LEET 1 OF 2

ATTY DOCKET NO. SERIAL NO. U.S. DEPARTMENT OF COMMERCE Form PTO 1449 PATENT AND TRADEMARK OFFIC (Modified) 283125US0X PCT 10/541,821 APPLICANT LIST OF REFERENCES CITED BY APPLICANT Haruo SUGIYAMA, et al. FILING DATE GROUP 1632 July 11, 2005 **U.S. PATENT DOCUMENTS** DOCUMENT SUB FILING DATE **EXAMINER** DATE CLASS NAME **CLASS** IF APPROPRIATE INITIAL NUMBER 2004/0247609 12/09/04 **SUGIYAMA** AA AB 2004/0097703 05/20/04 **SUGIYAMA** 01/06/05 AC 2005/0002951 SUGIYAMA et al. AD 2005/0266014 12/01/05 SUGIYAMA et al. ΑE 6 034 235 03/07/00 SUGIYAMA et al. 6 277 832 08/21/01 SUGIYAMA et al. AF **FOREIGN PATENT DOCUMENTS** DOCUMENT TRANSLATION COUNTRY DATE NUMBER YES WO (with English abstract & equivalent of EP 10/10/02 NO AG 02/079253 137.1664) NO WO 04/06/00 AH 00/18795 05/30/01 EP NO Al 1 103 564 OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) DI MODUGNO et al. "MHC-Peptide Binding: Dimers of Cysteine-Containing Nonapeptides Bind with High Affinity to HLA-A2.1 Class I Molecules", Journal of Immunotherapy, vol. 20, no. 6, pages 431-436 MARASTONI et al. "Design of dimeric peptides obtained from a subdominant Epstein-Barr virus LMP2-derived epitope", Eur. J. Med. Chem., vol. 35, pages 593-598 2000 OKA et al. "Cancer Immunotherapy Targeting Wilms' Tumor Gene WT1 Product", Journal of Immunology, vol. 164, pages 1873-1880 2000 TSUBOI et al. "Cytotoxic T-Lymphocyte Responses Elicited to Wilms' Tumor Gene WT1 Product by DNA Vaccination", Journal of Clinical Immunology, vol. 20, no. 3, pages 195-202 AM 2000 ROSENBERG. "A New Era for Cancer Immunotherapy Based on the Genes that Encode Cancer Antigens", Immunity, vol. 10, pages 281-287 AN 1999 BAKKER et al. "Melanocyte Lineage-specific Antigen gp100 is Recognized by Melanoma-derived Tumor-infiltrating Lymphocytes", Journal of Experimental Medicine, vol. 179, pages 1005-1009 AO KAWAKAMI et al. "Cloning of the gene coding for a shared human melanoma antigen recognized by autologous T cells infiltrating into tumor", Proc. Natl. Acad. Sci., vol. 91, pages 3515-3519 AP 1994 BRICHARD et al. "The Tyrosinase Gene Codes for an Antigen Recognized by Autologous Cytolytic T Lymphocytes on HLA-A2 Melanomas", J. Exp. Med., vol. 178, pages 489-495 FISK et al. "Identification of an Immunodominant Peptide of HER-2/neu Protooncogene Recognized by Ovarian Tumorspecific Cytotoxic T Lymphocyte Lines", J. Exp. Med., vol. 181, pages 2109-2117 TSANG et al. "Generation of Human Cytotoxic T Cells Specific for Human Carcinoembryonic Antigen Epitopes From Patients Immunized with Recombinant Vaccinia-CEA Vaccine", Journal of the National Cancer Institute, vol. 87, no. 13, AS pages 982-990 1995 CORREALE et al. "In Vitro Generation of Human Cytotoxic T Lymphocytes Specific for Peptides Derived from Prostate-Specific Antigen", Journal of the National Cancer Institute, vol. 89, no. 4, pages 293-300 AT MELIEF et al. "Potential Immunogenicity of oncogene and tumor suppressor gene products", Current Opinion in Immunology, vol. 5, pages 709-713 AU Additional References sheet(s) attached 1993 Date Considered Examiner Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



ATTY DOCKET NO. SERIAL NO. U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE Form PTO 1449 (Modified) 283125US0X PCT 10/541,821 **APPLICANT** LIST OF REFERENCES CITED BY APPLICANT Haruo SUGIYAMA, et al. **GROUP** FILING DATE July 11, 2005 1632 OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) PARDOLL. "New strategies for enhancing the immunogenicity of tumors", Current Opinion in Immunology, vol. 5, pages 719-725 ΑV 1993 NANDA et al. "Induction of Anti-Self-Immunity to Cure Cancer", Cell, vol. 82, pages 13-17 1995 AW MELIEF et al. "T-Cell Immunotherapy of Tumors by Adoptive Transfer of Cytotoxic T Lymphocytes and by Vaccination with Minimal Essential Epitopes", Immunological Reviews, no. 146, pages 167-177 CALL et al. "Isolation and Characterization of a Zinc Finger Polypeptide Gene at the Human Chromosome 11 Wilms' Tumor Locus", Cell, vol. 60, pages 509-520 GESSLER et al. "Homozygous deletion in Wilms tumours of a zinc-finger gene identified by chromosome jumping", Nature, vol. 343, pages 774-778 ΑZ 1990 AAB AAC AAD AAE AAF AAG AAH AAI AAJ AAK AAL Date Considered Examiner \*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.